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(54) Title: **INTERSPECIES EMBRYONIC STEM CELLS**

(57) Abstract: Present invention demonstrates the derivation of ES cells from hybrid blastocysts, obtained by the mating of two different Mus species. The invention also relates to the use of these interspecies hybrid ES cells for the generation of genetically modified mammalian animals and for the identification of quantitative trait loci (QTL) associated with species specific phenotypes.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, MEDLINE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GARDNER R L ET AL: "REFLECTIONS ON THE BIOLOGY OF EMBRYONIC STEM (ES) CELLS" INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY, UNIVERSITY OF THE BASQUE COUNTRY PRES, LEIOA, ES, vol. 41, April 1997 (1997-04), pages 235-243, XP000944588 ISSN: 0214-6282 table 2	1
A	MOREADITH R W ET AL: "GENE TARGETING IN EMBRYONIC STEM CELLS: THE NEW PHYSIOLOGY AND METABOLISM" JOURNAL OF MOLECULAR MEDICINE, SPRINGER VERLAG, DE, vol. 75, 1997, pages 208-216, XP002917335 ISSN: 0946-2716 figure 2	11-17
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☐ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ORTH A ET AL: "Natural Hybridisation between two sympatric species of mice <i>Mus musculus domesticus</i> L. and <i>Mus spretus</i> Lataste"</p> <p>COMPTES RENDUS - BIOLOGIES, ELSEVIER, PARIS, FR, vol. 325, no. 2, February 2002 (2002-02), pages 89-97, XP004345226</p> <p>ISSN: 1631-0691</p> <p>abstract</p>	18-20